ACCESSION NR: AP1009629

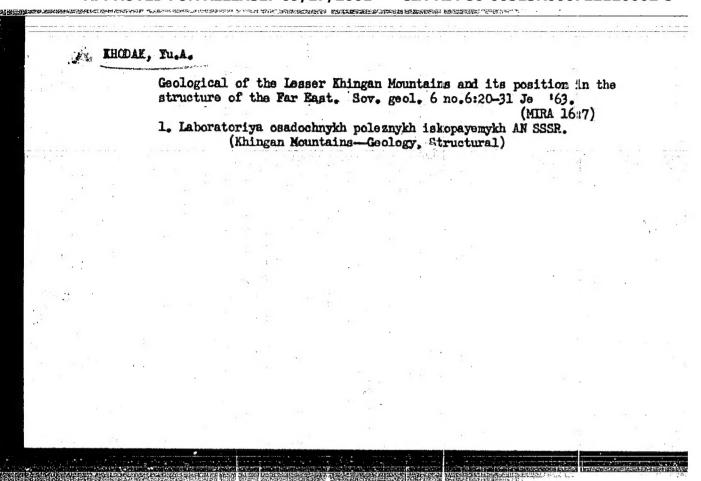
trace the evolution of blocs limited by a system of global depth fractures extending in four directions for thousands of kilometers: meridional, submeridional, latitudinal, and sublatitudinal. The geophysical significance of these fractures (breaks) is discussed, and the most ancient systems are traced in detail. The author states that approximately 100-150 million years ago the Hoon had to a large degree inherited its ancient structural plan; the central meridional zone of fractures of the southern hemisphere was the most mobile, while the far side was fairly stable. In succeeding periods a further differentiation of structural elements along the depth fault zones created the present enormous blocs A demonstration of this hypothesis is given. The author cites the evidence of A. V. Peyve ("Struktura zemnov kory i deformatsii gornykh porod," Izd-vo AN SSSR; 1960 67) and G. N. Katterfel'd (Izv. Vses. geogr. o-va, v. 91, no. 272, 1952) on the existence of a bloc structure on the Earth and Mars as reason for investigating the possibility of a general law operative in the development of a hard core in these bodies. "The author wishes to express his gratified to Doctor of Physics and Mathematics A. G. Masevich for her help in conducting the studies." Original article has: 2 figures.

Card 2/57

KHODAE, YU.A.

Principal structural elements of the moon and the geographical and geological methods of studying them. Izv. Kom. po fiz. plan. nc.4:10-23 Ag '63. (NIRA 18:5)

J. Laboratoriya osadochnykh poleznykh iskopayemykh Gosudarstvennogo geologicheskogo komiteta SSSR.



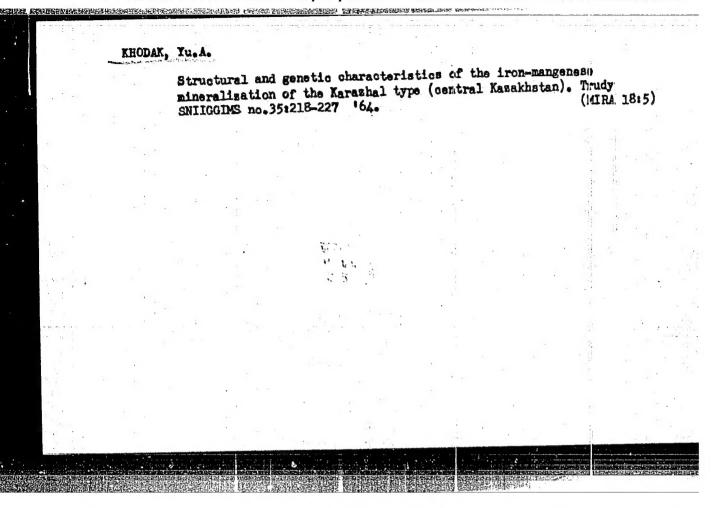
KHODAK, Yu.A.

Main structural elements of the moon and the importance of geographical and geological methods in lumar explorations. Izv. AN SSSR.Ser. geol. 28 no.8:11-22 Ag '63. (MIRA 17:2)

KHODAK, Yu.A.; CHEBOTAREV, M.V.

Ancient formations in the Amur Valley. Sov. geol. 7 no.1: (MIRA 17:6)

1. Dal'nevostochnoye geologicheskoye upravleniye i Laboratoriya osadochnykh poleznykh iskopayemykh Gosudarstvennogo geologicheskogo komiteta SSSR.



YEROSHCHEV-SHAK, V.A.; KHODAK, Yu.A.; GRIBOV, Ye.M.; SYNGAYEVSKIY, YE.D.

Association of clay minerals in the Upper Famennian rocks and ores of the Dzhail'ma trough. Dokl. AN SSSR 164 no.4:906-909 0 165. (MIRA 18:10)

1. Laboratoriya osadochnykh poleznykh iskopayemykh AN SSSR. Submitted May 12, 1965.

ACC ML AR6035075 SOURCE CODE: UR/0169/66/000/008/G001/G001

AUTHOR: Khodak, Yu. A.

TITLE: Defining the main features of the structure and development of the Moon and their significance in the elucidation of principles of geological phenomena

SOURCE: Ref. zh. Geofizika, Abs. 8G1

REF SOURCE: Sb. Materialy k Soveshchaniyu Obshchiye zakonomern. geol. yavleniy, 1966, Vyp. 1. L., 1965, 197-202

TOPIC TAGS: moon, geology, sclenography, earth, planet, map

ABSTRACT: In order to find the basic magnetic and block structure of the Earth, it is necessary to find the principles of the distribution of lunar ring structures and their connection with large and local blocks. The basic problem in the study of the structure of the Moon is the development of the stratigraphic scale of its formations. A structural-selenological map of the visible part of the Moon at a scale of 1:2,500,000 was compiled. Four structural strats are seen on the map. The areas of an emerging, mechanically eroded, ancient basement were noted. The

Card 1/2

UDC: 550, 311

Reneral ban	netary structur	e of the Ear	tu as a pra	net, [Trai	ibiation of at	Petacel
SUB CODE	03, 08/					
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(MIRA 16:5)

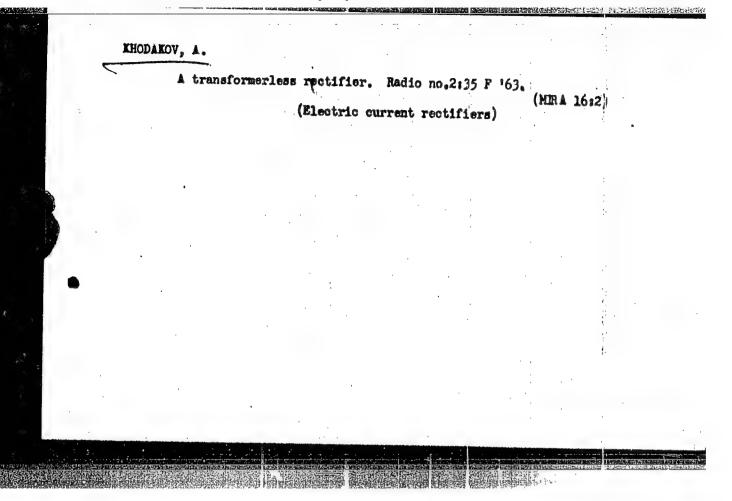
KHODAK, Yu.S.; SUN' SHU [Sun Shu]

Stratigraphy of Upper Paleosoic sediments in the northeastern part of China and adjacent territories of the southern part of the Soviet Far East. Biul. MOIP. Otd.geol. 38 no.2:56-73 Ja-F '63.

(China-Geology, Stratigraphic)
(Soviet Far East-Geology, Stratigraphic)

KHODAKIN, N. I.

Soshnikova, M. W. and N. I. Thodakin "The Actiological Agent of a Peculiar Form of Incophalitia," Dok. AN, 47, No. 5, 1945. Mbr., Uzbek Inst. Microbiology & Epidemiology, Tashkent, -1944-049.



S/196/63/000/001/006/035 E193/E383

AUTHORS:

Protsenko, P.I. Khodakov, A.A., Mirskaya, Ye.Z. and

Venerovskaya, L.N.

TITLE:

Physicochemical parameters of nitrites and nitrates of

alkali and alkaline-earth metals with ferroelectric

properties

PERIODICAL:

Referativnyy zhurnal, Elektrotekhnika i energetika, no. 1, 1963, 17, abstract 1 B55. (In collection: Segnetoelektriki (Ferroelectrics), Rostov-na-Domu,

Rostovsk. un-t, 1961, 21-26)

TEXT: In connection with the possible application of ferroelectrics as nonlinear elements in conjunction with electroluminophors, it is desirable to have available ferroelectrics characterized by low ε, this property being necessary to ensure their
compatibility with electroluminophors. With this in view, a study
was conducted of crystals of those nitrites and nitrates of alkali
and alkaline-earth metals that possess ferroelectric properties;
the experimental specimens were crystallized out of aqueous
solutions or grown by the Bridgman method from their melts. Thermal
Card 1/5

Physicochemical parameters ...

S/196/62/000/001/006/035 E193/E383

analysis of a large number of nitrates and nitrites enabled the authors to obtain more accurate data on their melting points, to determine the existence of polymorphic transformations and to reported in the form of a table). It was shown that single crystals of sodium nitrite (NaNO₂) in the direction of the 6 axis consituted ferroelectrics with 6~457 ok, i.e. 164 oc (see Fig. 1), the at room temperature. The magnitude of spontaneous polarization, at room temperature. The magnitude of spontaneous polarization, at comparison to the study of the dependence of a bout at 50 c.p.s. High values of coercive fields at room temperature and the intensity of the DC field E showed that being independent of E at 6. Dilatometric measurements showed was of the order of 10 - 4 x 10 deg , and that the temperature-card 2/5

Physicochemical parameters ...

S/196/62/000/001/006/035 E193/E383

domain structure was observed which disappeared at temperatures higher than Θ and was not restored on cooling below θ . Single crystab of sodium, rubidium, caesium and thallium nitrates had phase-transformations in the temperature range between room temperature and the melting point. The transformation of sodium nitrate from the second phase (with an orthorhombic structure of aragonite) to the first phase (with the calcite structure) took place on heating above 403 K (130 °C); on cooling below 397 K (124 °C) the first phase changed into ferroelectric third phase, which remained stable down to 383 K (110 °C) and then changed to the second phase. The transformation of sodium nitrate to its ferroelectric phase was accompanied by a decrease in ε . Transformation from hexagonal to cubic modification took place at 434 K (161 °C) in rubidium nitrate, a change from cubic to rhombic modification taking place at 492 K (219 °C); a phase-transformation in this compound was observed also at 564 K (291 °C). Rubidium nitrate had no ferroelectric properties in the temperature interval studied. A phase-transformation took place in caesium nitrate at 427 °K (154 °C) but no maxima were observed near the transformation temperature. Two phase-transformations were observed in thallium nitrate (see

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Physicochemical par Fig. 2): γ⇒β tran		S/196/62/000/00 E195/E383	1/006/035	11
Fig. 2): γ ⇒ β transformation at 4: observed on heating in conductivity. No barium nitrate, a (There are 5 figures [Abstracter's note:	ferroelectric pr 1-Ba)NO ₂ complex	was attributed to roperties were obsuand certain other		8-10
[Abstracter's note: CAPTION to Fig.1:	Complete transla	cron-1	0	2
Temperature-dependent and tan 6 of NaNO ₂ a	ce of ε t f = 1 Mc/s	700		15
		500 tg o		2
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Card 4/5	<u>Fig. 1</u> :	20 00 100	140 180 10	C A
		233 333 373	413 453 'K	14
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S/019/61/000/024/031/088 A156/A126

AUTHORS:

Sholokhovich, M.L.; Khodakov, A.L.

TITLE:

Seignettoelectric monocrystals

PERIODICAL:

Byulleten' izobreteniy, no. 24, 1961, 30

TEXT: Class 21g, 1102. No. 143477 (688328/26 of December B, 1960). Seignettoelectric monocrystals based on barium titanate, the distinctive feature of which consists in that for the purpose of increasing the nonlinearity of their characteristics and raising the rectangularity of their hysteresis loop, 1 - 2% barium hafnate is added to the barium titanate.

Card 1/1

Ligonos EMT(1)/EPa(s)-:/EMT(m)/EC(t)/EPP(t)/EEO(s)-2/EMP(b) Pt-10/Pt-1 ACCESSION MR: AR30102/3 JD/GG S/0081/63/000/012/CCT7/CCT7 SOURCE: RZh. Khimiya, Abs. 128466

AUTHOR: Kramarov, O. P.; Khodakov, A. L.; Sholokhovich, M. L.; Fesenko, Ye. G.

TITLE: Monocrystals of solid solutions of strentium and lead titanates

CITED SOURCE: Sb. Segnetoelektriki. Rostov-na-Donu, Rostovsk, un-t. 1961, 5-11

TOPIC TAGS: solid solution, strontium, lead, strontium titanate titanate, monocrystalline structure

TRANSLATION: The fusion diagram for the system K2F2--PbT103--SiT103 solutions (Pb--Sr)TiO has been established. For determining position of the Curie monoty in constructed dilatometer was permitted measurement.

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mined by	n temperature the same metho	of 5120 for monocrystals of Pb	Tiog was deter-
The rofra	. 18 Cioso to t	as data known for polycrysts;	
4.73 for	nie fantion ge Stillig .	P monocrystals (F31)Tio,	報(gire) 関
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ACCESSION NR: AR4042161

5/0196/64/000/005/B019/B019

SOURCE: Ref. zh. Elektrotekhnika i energetika, Abs. 5883

AUTHOR: Lezgintseva, T. N.; Khodakov, A. L.

TITLE: Influence of slight impurities of iron on the dielectric properties of solid solutions of barium titanate and stannate

CITED SOURCE: Izv. Leningr. elektrotekhn. in-ta, vy*p. 51, 1963, 260-267

TOPIC TAGS: barium titanate, barium stannate, dielectic property solid solution

TRANSLATION: The dependence of e on the intensity of a variable electric field E_(up to 10 kv/cm), reversible e(E_varied up to 8 kv/cm) was studied at 300 kc, hysteresis loop and dependence on temperature of e and tand at 300 kc from 20 to 140°C for ceramic solid solutions of BaTiO₃ - BaSnO₃ with O; 3; 6; 9 and 12 mole % BaSnO₃ and O; O.1; O.2; O.4; O.7; 1 mole % Fe₂O₃. Introduction of additions of Fe₂O₃ leads to a sharp lowering of the nonlinear properties of solid solutions; this is

1/2

ACCESSION NR: AR4042161

especially noticeably for compositions containing 6 mole % BaSnO3. In solid solutions with additions of iron, θ shifts in the direction of low temperatures, the more noticeably, the higher the concentration of Fe, while ϵ is also lowered at θ . These effects are more noticeable in solid solutions baked directly from a mixture of BaTiO3, BaSnO3, and Fe2O3. The influence of Fe impurities on θ and ϵ in pure samples of BaTiO3 is noticeably less than in solid solutions alloyed with the same concentration of Fe. For the manufacture of ferroelectric-ceramics and single crystals with the sharpest expressed nonlinear properties, it is proposed, to avoid materials containing Fe. Three illustrations. Bibliography: h is references. [Rostov-on-Don State University]

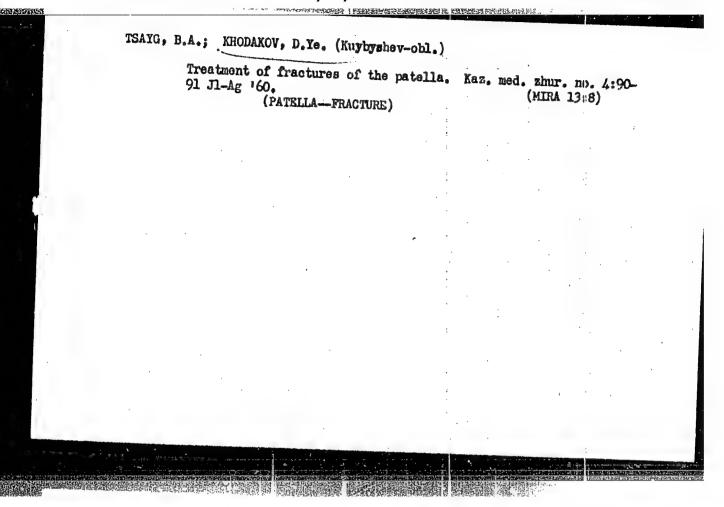
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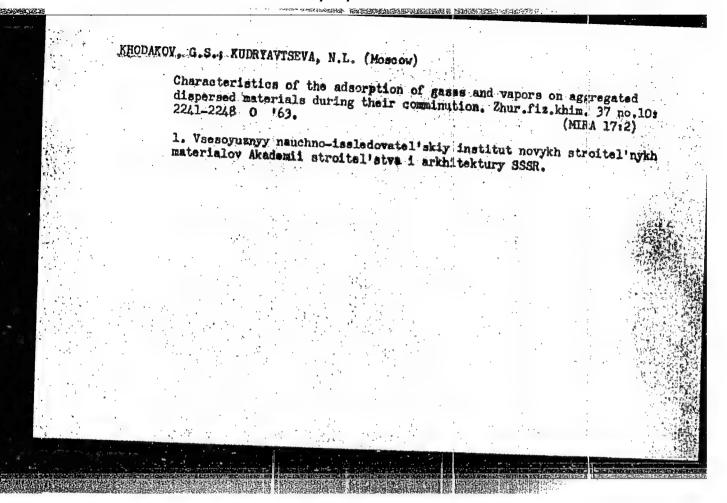
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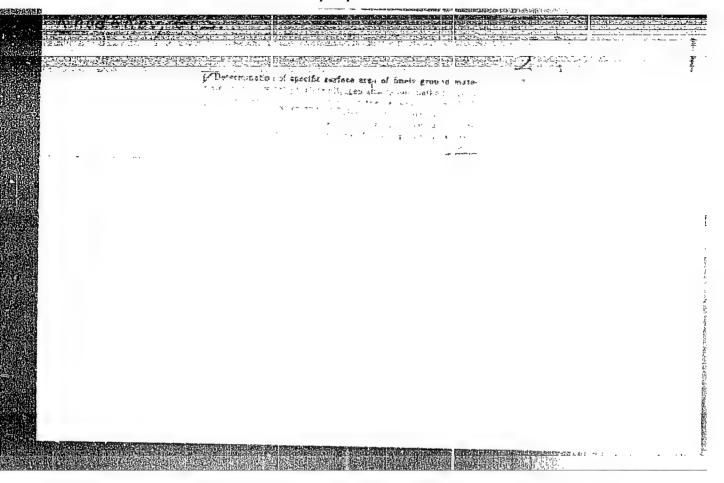
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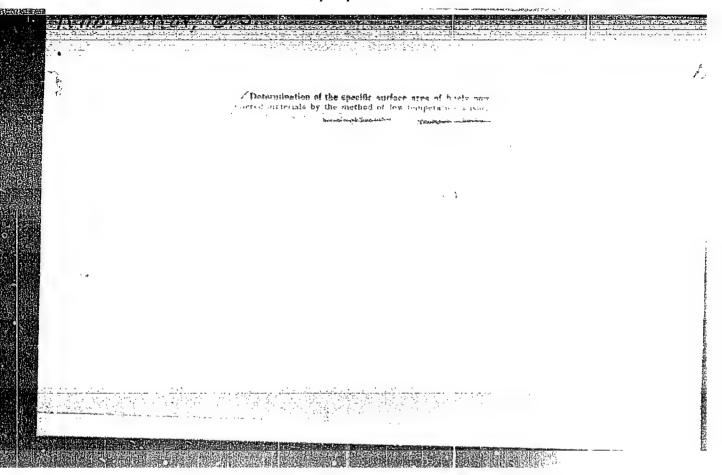
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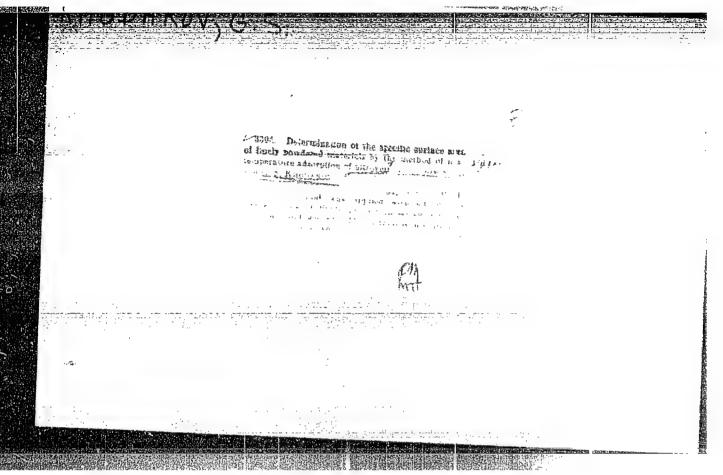
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5(4) SOV/20-123-4-43/53 AUTHORS: Khodakov, G. S., Plutsis, E. R. TITLE: On the Solubility of Finely Crushed Quartz in Water (O rastvorimosti tonkoizmel chennogo kvartsa v vode) PERIODICAL: Doklady Akademii nauk SSSR, 1958, Vol 123, Nr 4, pp 725-728 ABSTRACT: The present paper deals with the solubility of quartz powder in distilled water. The degree of dispersion of the powder under investigation was estimated according to its apecific surface. The quantity of quartz contained in the solution was photocolorimetrically determined. Also the influence of the glass from which the vessel is made and of the silicon in the steel container was taken into account. The first diagram shows the curves of the kinetics of the dissolution of finely ground quartz sand in water. The course taken by these curves confirms the formation of a true (and not of a colloidal) solution. These curves are well described by the kinetic equation C = C solubility (1 - $e^{-k\tau}$). Here C denotes the concentration Card 1/3 of the SiO_2 passing into the solution within the time τ ,

On the Solubility of Finely Crushed Quartz in Water SOV/20-123-4-43/53

colubility - the solubility, k - the solution rate constant.
colubility can be determined from the above diagram. The aforementioned equation may be written down as follows:

In continty contint by the constant by the con

data. The constant k does not depend on the duration of quartz crushing and amounted in the case of the experiments discussed here to 0.056 days⁻¹. A prolongation of the duration of the dry crushing of the quartz increases the values of C solubility°

According to the data obtained, the investigated powders of finely ground quartz sand have practically the same surface. According to the authors data, the solubility of the finely ground quartz in water at room temperature in some cases attains the value of 120 mg/l, which surpasses the solubility of coarse-crystalline quartz by 20 times its amount. This abnormally high solubility may be explained by a destruction of the crystal structure of quartz in the grinding mill. The here discussed data make it possible to explain the mechanism of the formation of the hydrosilicates of calcium and magnesium

Card 2/3

On the Solubility of Finely Crushed Quartz in Water SOV/20-123-4-43/53

in the interaction of their hydroxides with the finely ground sand in water at room temperature. Also the part played by sand filling medium of concrete with a low cement content, which was ground in a vibration mill, may be explained in a similar manner. The authors thank Academician P. A. Rebinder, D. S. Sominskiy, V. B. Ratinov and L. A. Feygin for discussing results and for their valuable advice, and they also thank N. I. Gludina for her assistance. There are 3 figures, 1 table, and 16 references, 12 of which are Soviet.

ASSOCIATION: Vsesoyuznyy nauchno-issledovatel skiy institut tenkogo iz-

mel'cheniya Akademii stroitel'stva i arkhitektury SSSR (All-Union Scientific Research Institute for Fine Grinding

of the Academy of Building and Architecture, USSR)

PRESENTED: July 25, 1958, by P. A. Rebinder, Academician

SUBMITTED: July 23, 1958

Card 3/3

5(4) AUTHORS:

SOV/20-127-5-38/58

Khodakov, G. S., Rebinder, P. A., Academician

TITLE:

The Investigation of the Fine Dispersion of Quartz and of the

Influence of Added Liquids Upon This Process

PERIODICAL:

Doklady Akademii nauk SSSR, 1959, Vol 127, Nr 5, pp 1070-1073

(USSR)

ABSTRACT:

The effect produced by acetone, ethyl alcohol, water, benzene, triethanolamine and oleic acid upon the dispersion of quartz sand was investigated. Crushing was carried out in a laboratory vibration mill, and determination of the degree of dispersion by measuring the specific surface by means of adsorption of nitrogen at low temperatures according to reference 14. Figures 1-4 and tables 1 and 2 show the experimental results. The addition of liquids causes a considerable increase of the specific surface in comparison to dry-grinding. The effect produced by the individual liquids is about equal. This result is explained by the fact that, in the case of dry grinding, relatively solid particle complexes are produced, the tight packing of which prevents nitrogen from penetrating, no that a large part of the free surface is eliminated. Additions of liquids cause a considerable extent of desaggregation. As

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The Investigation of the Fine Dispersion of Quartz and of the Influence of Added Liquids Upon This Process

shown by figure 3, desaggregation depends upon the quantity of the liquid added. In water, a minimum occurs at an addition of 2-30%, which is followed, as a result of further additions, by a rapid increase of desaggregation. As shown by experiments, the described phenomena are confined not only to quartz alone, but in a different degree characteristic also of other solid substances, such as corundum, and calcite. There are 4 figures, 2 tables, and 19 references, 14 of which are Soviet.

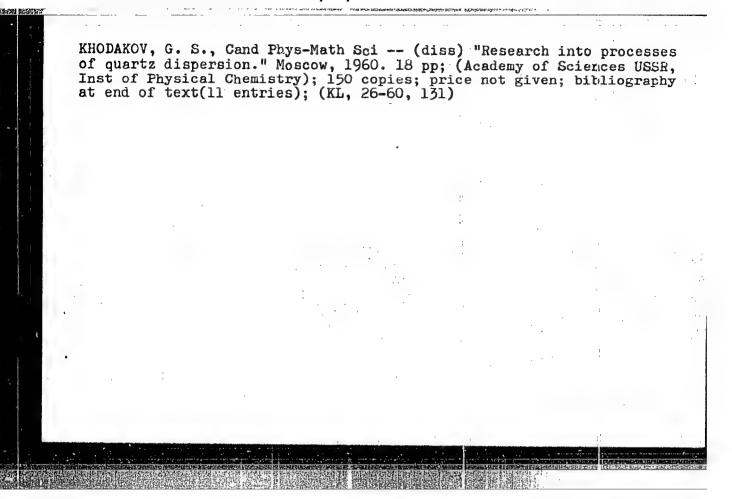
ASSOCIATION:

Vsesoyuznyy nauchno-issledovatel'skiy institut tonkogo izmel'-cheniya Akademii stroitel'stva i arkhitektury SSSR (All-Union Scientific Research Institute for Fine Grinding of the Academy of Building and Architecture, USSR). Institut fizicheskoy khimii Akademii nauk SSSR (Institute of Physical Chemistry of the Academy of Sciences, USSR)

SUBMITTED:

May 22, 1959

Card 2/2



15.2110

67896

AUTHORS:

S/020/60/130/06/026/059 Kiselev, V. P., Krasil'nikov, K. G., B004/B007

Khodakov, G. S.

TITLE:

The Influence of the Aggregation of Quartz Particles During Grinding Upon Its Adsorptive Properties

PERIODICAL:

Doklady Akademii nauk SSSR, 1960, Vol 130, Nr 6, pp 1273 - 1276 (USSR)

ABSTRACT:

In reference 1 it was said that the specific surface of airdried quartz decreases with an increase of the duration of grinding. This was explained by the aggregation of the quartz particles. The authors aimed at investigating this phenomenon more thoroughly and to find out whether its effects on the adsorption of nitrogen, and water differ. They maintain that this phenomenon is the cause of the considerable discrepancy in published data for adsorption values and adsorption energy of quartz. Two samples of highly dispersive quartz were investigated. Sample Kv-4 was obtained by grinding transparent crystalline quartz with an excess of water, sample Kv-4A by further grinding Kv-4 in air. On both samples, the adsorption of nitrogen and steam was measured (Table 1). As shown by

Card 1/3

67896

The Influence of the Aggregation of Quartz Particles 5/020/60/130/06/026/059
During Grinding Upon Its Adsorptive Properties B004/B007

figure 1, the adsorption isothermal line of nitrogen on Ev-4A is lower than in the case of Kv-4 because of particle aggregation, whereas the adsorption isothermal line of steam is higher. Also figure 2 shows that the different kind of grinding the same quartz affects the adsorption of nitrogen and steam differently. This phenomenon has not yet been explained. It is presumed that relatively dense aggregates are formed, the inner surfaces of which are inaccessible to the nitrogen, whereas the adsorption of water is not impaired by these aggregations because of its dispersive (peptizing) properties. Such phenomena of aggregation were observed also in the case of other substances (corundum, calcite, silica gel) in dry grinding. The authors thank Academician P. A. Rebinder for his interest in this paper, and G. I. Aleksandrova for assisting in measurements. There are 2 figures, 1 table, and 21 references, 13 of which are Soviet.

ASSOCIATION:

Card 2/3

Moskovskiy gosudarstvennyy universitet im. M. V. Lomenosova (Moscow State University imeni M. V. Lomenosov). Vsesoyuznyy nauchno-issledovateliskiy institut novykh stroitelinykh

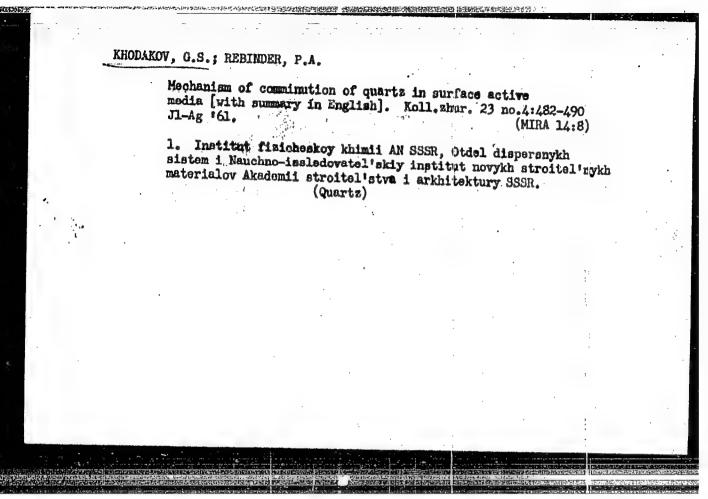
,这个不会担任,这一样的现在,我们还不是这些不是是这里的人,这是这个人,我们就不是我们的人,也不是一个人,这个人,我们也不会也不会的人,我们也不会的人,我们也

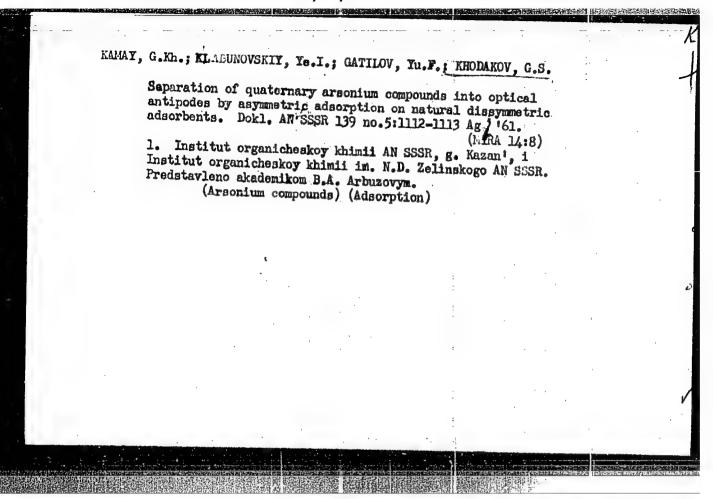
KHODAKOV, G.S.; REBINDER, P.A.

Effect of the medium on the processes of dispersion of solids. Koll.shur. 22 no.3:365-375 My-Je '60. (MIRA 13:7)

1. Institut fizicheskoy khimii AN SSSR, Otdel dispersnykh sistem i Institut novykh stroitel'nykh materialov AN SSSR, Moskva. (Dispersion) (Quartz)

Kinetics of the fine comminution of quarts. Dokl. AN SSSR 134 no.3: 574-577 S '60. (MIRA 13:9) 1. Vsesoyusnyy nauchnp-issledovatel'skiy institut novykh stroitel'nykh materialov Akademii stroitel'stva i arkhitektury SSSR. Predstavleno akad. P.A. Rebinderom. (Quarts)





s/069/62/024/002/008/008 B:10/144

AUTHOR:

Khodakov, G. S.

TITLE:

A case of mechanochemical quartz dispersion

PERIODICAL:

Kolloidnyy zhurnal, v. 24, no. 2, 1962, 236 - 237

TEXT: Mechanical and chemical effects were combined in an attempt to reach maximum silica dispersion. Deformation of the crystalline structure by grinding increased the reactivity of silica with calcium or magnesium oxides, in dependence on the duration of the process. Hydrosilicates formed at normal temperatures and pressures. Quartz powders ground to $\langle 6m^2/g \rangle$ with normal temperatures and pressures. Quartz powders ground to $\langle 6m^2/g \rangle$ with an M-10(M-10) vibrating mill were studied. Small blocks were formed from aqueous pastes with 9 parts by weight of SiO₂ and 1 part by weight of MgO, and then washed with hot aqueous acetic acid to remove hydrosilicates.

Powders of >200 m²/g specific surface, approximately 30 times the initial value, were thus obtained. The particle nuclei remained crystalline whereas the amorphous shell passed over into the filtrate. This behavior may be applied to adsorption and catalysis. Electron microscopic studies showed the dispersion to take place in particles of several hundred the Card 1/2

J,

S/020/63/148/003/021/037 B108/1180

5.5650

AUTHOR:

Khodakov. G. S.

TITLE:

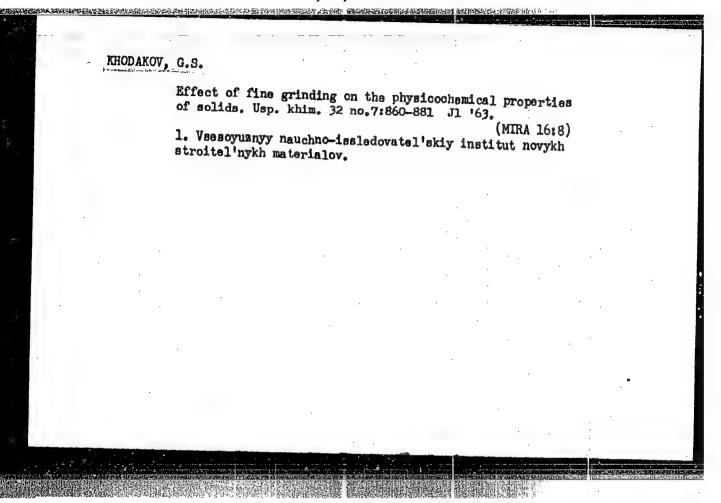
Determining the specific surface of highly disperse powders

by rarefied gas filtration

PERIODICAL: Akademiya nauk SSSR. Doklady, v. 148, no. 3, 1963, 581-584

TEXT: Discrepancies appear in the results of specific surface determination of pressed powder samples even at high pressures. They are probably due to the fact that the structural features of the porous body are not adequately considered. Here, the specific surface is expressed on the assumption that the gas molecules passing through the pores undergo a greater number of collisions with the walls of the pores than with other molecules. The experimental work is then reduced to determining the capacities of the sample at two different gas pressures. The specific surface resulting from these data was found to be independent of the porosity of the sample. There are 3 figures.

Card 1/2



KUDRYAVTSEVA, N.L.; KHODAKOV, G.S.

Effect of the additions of surface-active substances on the diminution of clinker. Dokl. AN SSSR 156 no. 2:437-440 My '64. (MIRA 17:7)

1. Vsesoyuznyy nauchno-issladovatel'akiy institut novykh stroitel'nykh materialov. Predstavleno akademikom P.A.Rebinderom.

KHODAKOV, G.S.

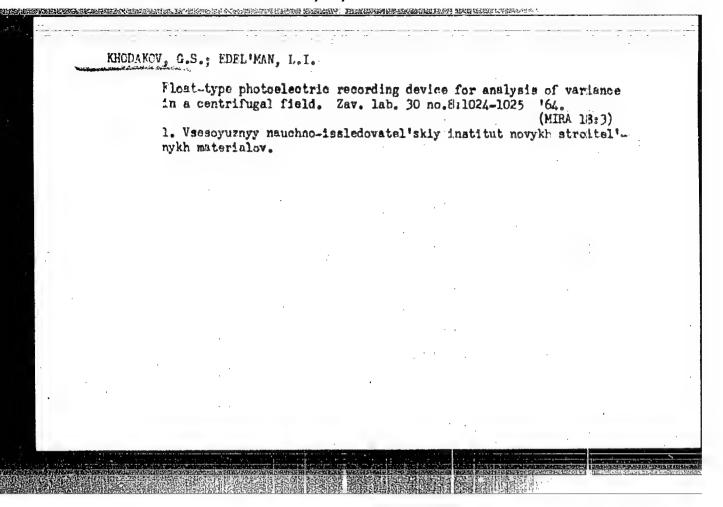
Mechanical and chemical dissociation of liquids on freshly formed surfaces of solids. Dokl. AN SSSR 156 no.6:1416-1419
Je '64. (MIRA 17:8)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut novykh stroitel'nykh materialov Akademii stroitel'stva i arkhitektury SSR. Predstavleno akademikom P.A. Rebinderom.

EDEL'MAN, L.I.; KHODAKOV, G.S.

Sedimentation analysis of disperse systems with continuous recording of the weight of accumulated deposit in the centrifugal field. Koll. zhur. 26 no.3:380-385 My-Js '64. (MIRA 17:9)

1. Vsesoyuznyy nauchno-issledovatel skiy institut novykh stroitel nykh materialov, Moskva.



KHODAKOV, G.S.

Mechanical and chemical dissociation of liquids on freshly formed surfaces of solids. Dokl. AN SSSR 156 no.6:1416-1419 Je '64. (MIRA 17:8)

1. Vsesoyuznyy nauchno-issledovatel skiy institut novykh stroitel nykh materialov Akademii stroitel stva i arkhitektury SSR. Predstavleno akademikom P.A. Rebinderom.

IAWS governing gas flow through finely porous bodies. Dokl. AN SSSR 163 no.2:350-353 Jl '65. (MIRA 18:7) 1. Vsesoyuznyy nauchno-issledovatel skiy institut novykh stroitel nykh materialov. Submitted December 31, 1964.

ACC NR: AP6017959

SOURCE CODE: UR/0413/66/000/010/0027/0027

INVENTOR: Khodakov, G. S.

ORG: None

TITLE: A method for producing highly dispersed silica. Class 12, No. 181634 [announced by the All-Union Scientific Research Institute of New Structural Materials (Vsesoyuznyy nauchno-issledovatel skiy institut novykh stroitel nykh materialov)]

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 10, 1966, 27

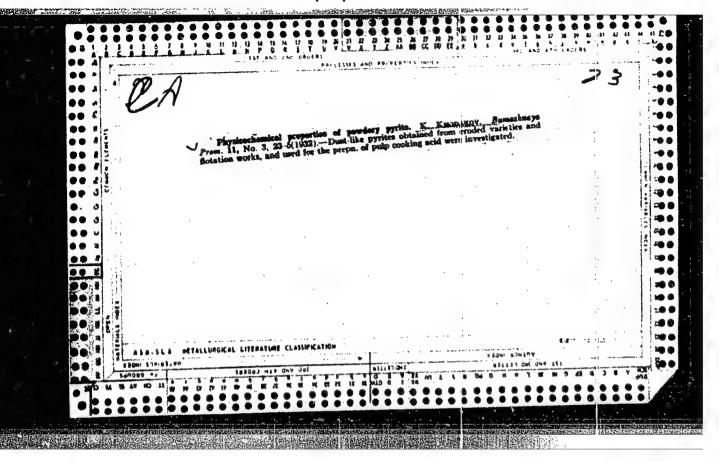
TOPIC TAGS: silica, quartz, magnesium oxide, calcium oxide

ABSTRACT: This Author's Certificate introduces a method for producing highly dispersed silica from pulverized quartz sand. The process is simplified by adding magnesium oxide or calcium oxide to the initial material and treating the mixture with water after grinding. The solution is then allowed to stand and mineral acid is used for removing hydrosilicates.

SUB CODE: 11/ SUBM DATE: 26Nov63

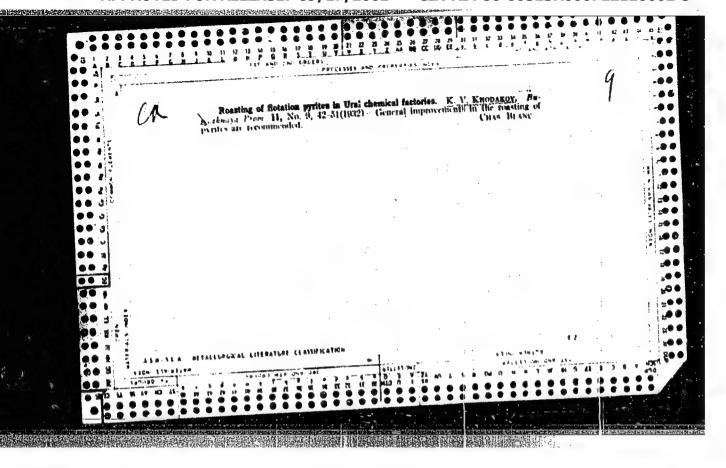
Cord 1/1

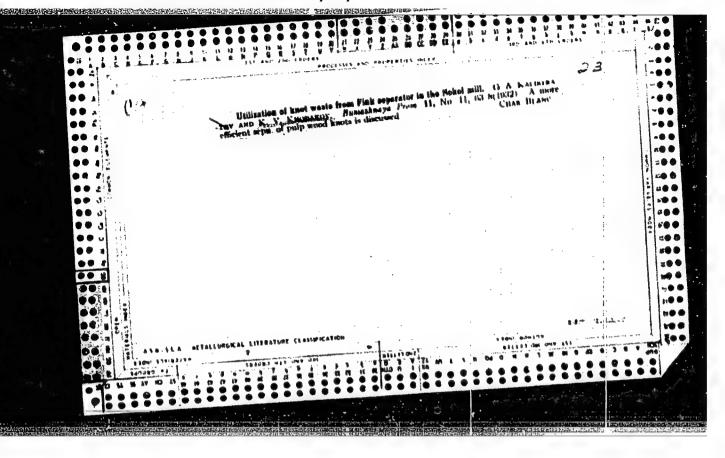
UDC; 661,718,5



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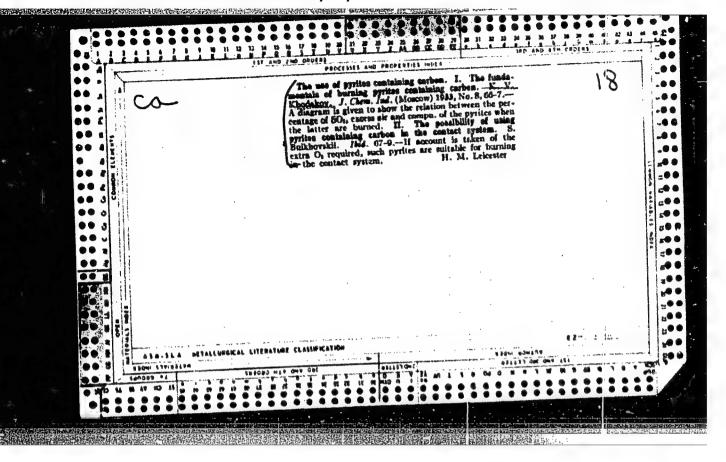
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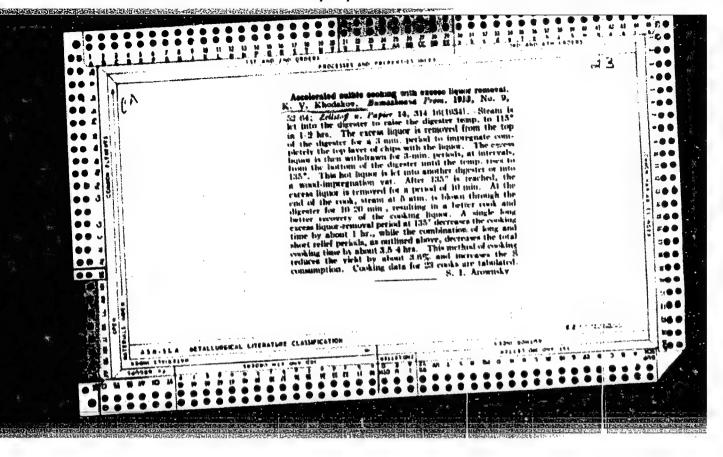


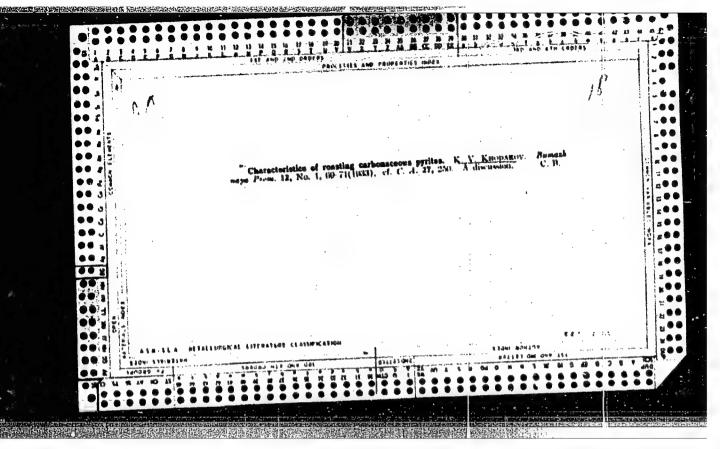


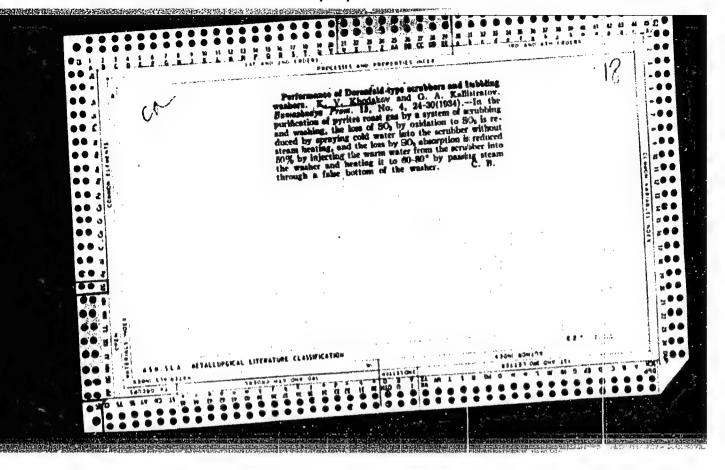
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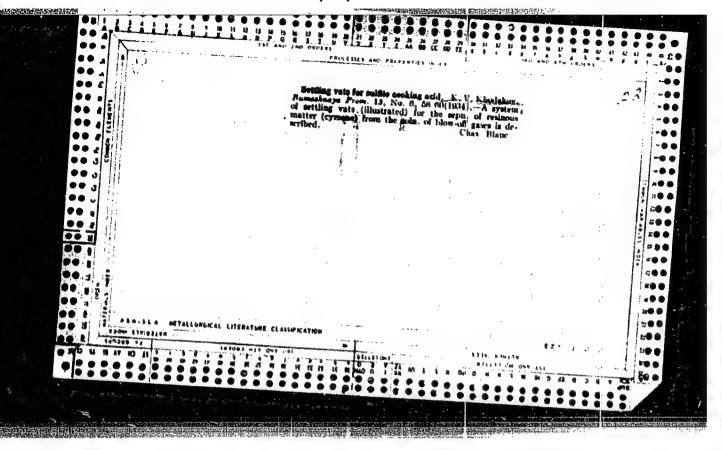
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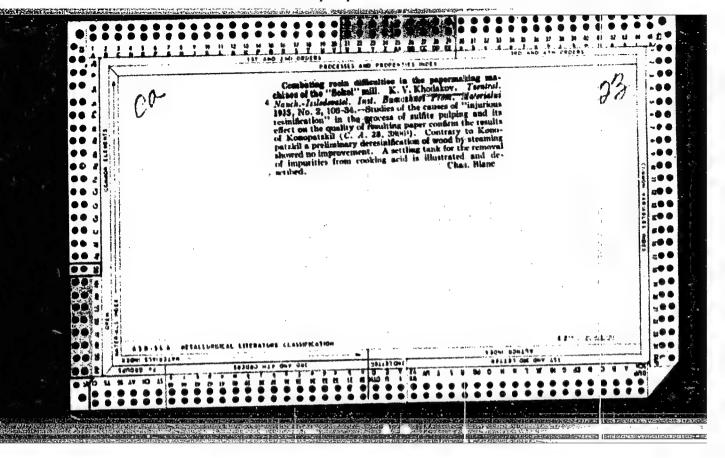


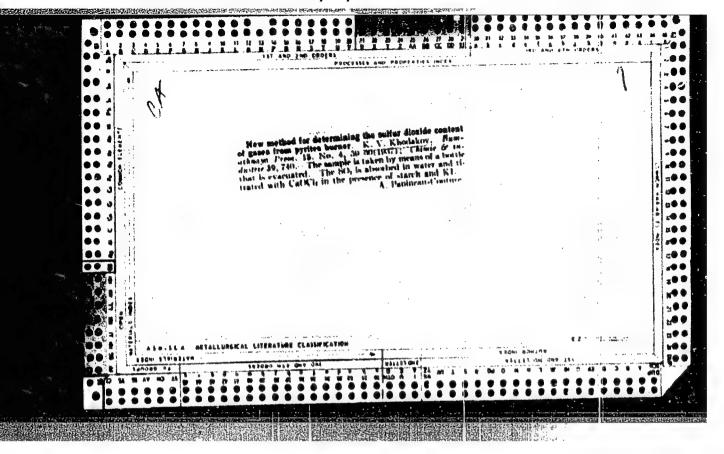


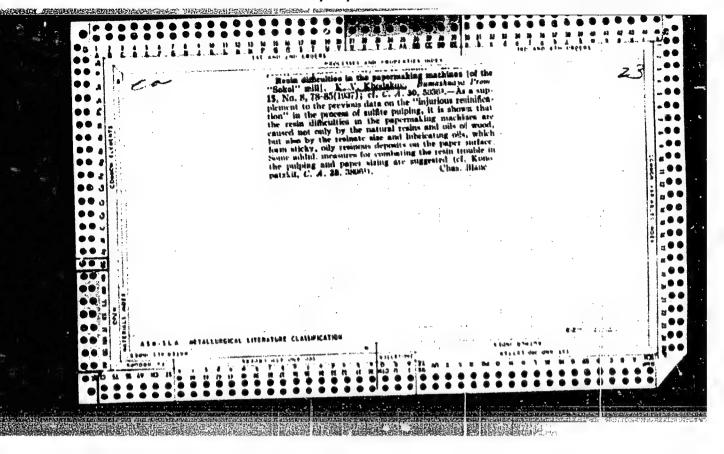


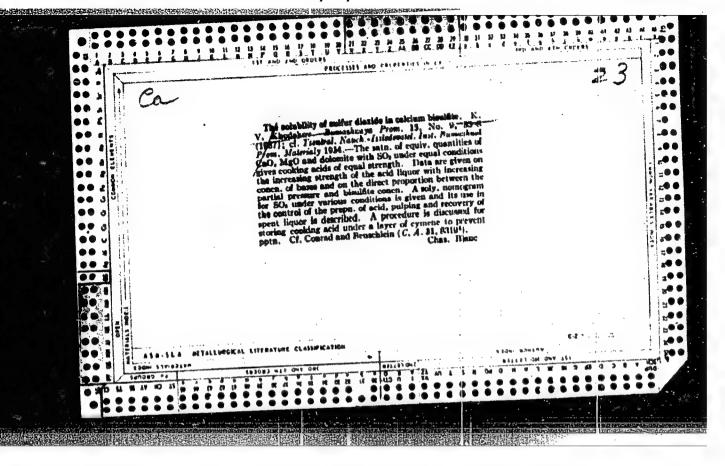


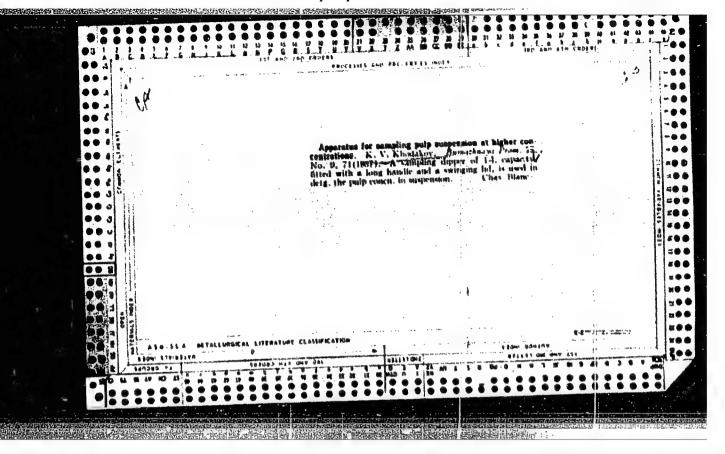












KHODAKOV, N. D., and ANICHKOV, N.N.

Ueber die Vitalfarbung der oberen Luftwege und des Gehororgans bei Kaninchen. Zeitschr. für Hals-, Nasen--und Ohrenheilkunde. 37, 4, 264-291, 1935.

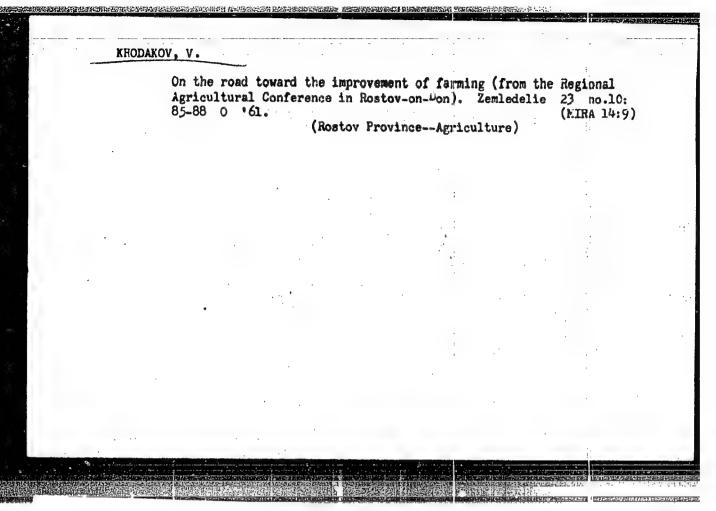
NARAVTSEVICH, Zinoviy Abramovich; KHODAKOV, Naum Moiseyevich;
NEYMAN, M.I., red.

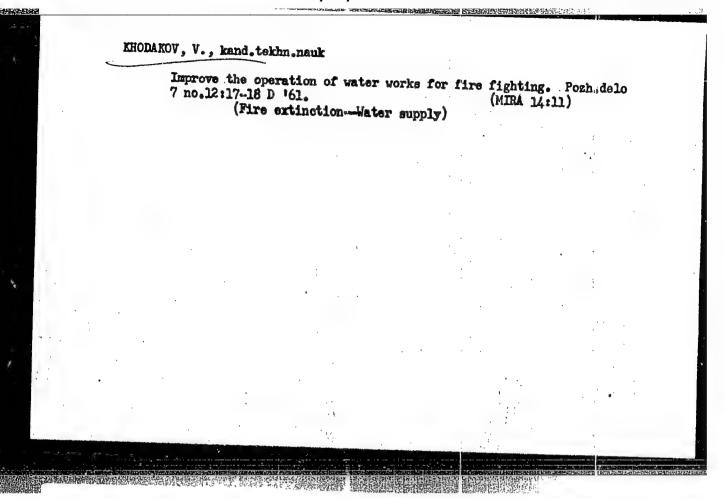
[Por the participant of a tourist trip] Uchastniku turistskogo pokhoda. Moskva, Meditsina, 1964. 39 p.

(MIRA 17:5)

ZAKHAROV, Ye.D.; GUR'YEV, I.I.; SOLOV'YEVA, V.V.; DRONOVA, N.P.; GIL'DENGORN, I.S.; KHODAKOV, P.Ye.; BONDAREV, B.I.

Nonuniformity in continuously cast ingots and its effect on the quality of semifinished products. Alium. splavy no.3:371-382 '64. (MIRA 17:6)



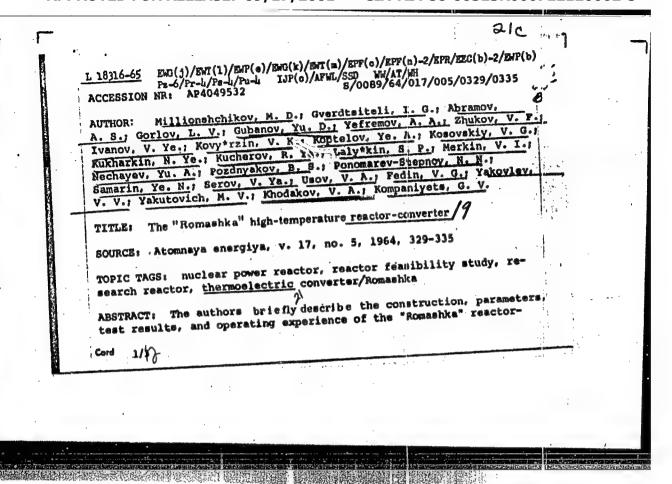


KHODAKOV, V. A.

Integrals

Dissertation: "An Intergral with a Small Range." Cand Phys-Math Sci, Machanics-Mathematics Faculty, Moscow Order of Lenin State U imeni M. V. Lomonosov, 26 Mar 54. (Vechernyaya Moskva -- Moscow, 16 Mar 54).

30: SUM 213, 20 Sep 1954



· may place

L 18316-65 ACCESSION NR: AP4049532

converter unit, which has been in operation at the Kurchatov Atomic Energy Institute since August 1964. The fuel used is uranium dicarbide enriched to 90% U²³⁵. Graphite and beryllium are used as reflectors. Electricity is generated by silicon-germanium semiconductor thermocouples distributed on the outer surface of the reflector and connected in four groups which can be connected in series or in parallel. The temperatures of the active zone and outer surface are 1770 and 1000C, respectively. The power ratings are 0.50—0.80 kW electric and 40 kW thermal, the maximum current (parallel connection) is 88 Å, the neutron flux is 10¹³ neut/cm² sec in the center of the active zone and 7 x 10¹² on its boundary. The reactor has a negative temperature reactivity coefficient. The equipment has high inherent stability and requires no external regulator, and little change was observed in the thermocouple properties after 2500 hours of operation. Tests on the equipment parameters are continuing, and the results are being analyzed for use in future designs. Orig. art. has: 8 figures and 1 formula.

Cord 2/3

MILLIONSHCHIKOV, M.D.; GVERDTSITELI, I.G.; ABRAMOV, A.S.; GORLOV, L.V.;

GUBANOV, Yu.D.; YEFREMOV, A.A.; ZHUKOV, V.F.; IVANOV, V.Ye.;

KOVYRZIN, V.K.; KOPTELOV, Ye.A.; KOSOVSKIY, V.G.; KUKHARKIN,

N.Ye.; KUCHEROV, R.Ya.; LALYKIN, S.P.; MERKIN, V.I.; NECHAYEV,

Yu.A.; POZDNYAKOV, B.S.; PONOMAREV_STEPNOY, N.N.; SAMARIN, Ye.N.;

SEROV, V.Ya.; USOV, V.A.; FEDIN, V.G.; YAKOVLEV, V.V.; YAKUTOVICH,

M.V.; KHODAKOV, V.A.; KOMPANIYETS, G.V.

High-temperature reactor-converter "Romashka." Atom. energ. 17 no.5:329-335 N 164. (MIRA 17:12)

KHODAKOV, V. F., Engr

USSR/Metals - Cutting

Aug 50

"Semiautom-tic Machine for Cutting Circular Flanges," Engineers S. A. Gol'denberg,

"Avtogen Delo" No 8, pp 10-22

Describes semiautomatic gas cutting machine for mass production of pipes in ship-building industry. Machine is designed to cut flanges of 50-600 mm diameter from steel 10 - 30 mm thick. One advantage is possibility of cutting flanges at very edge of metal sheet, bringing waste to minimum. Productivity is 85 pieces for 8 hours. Operation of four machines for 12 years demonstrated dependability.

FDD

PA 167171

KHODAKOV, V. F.

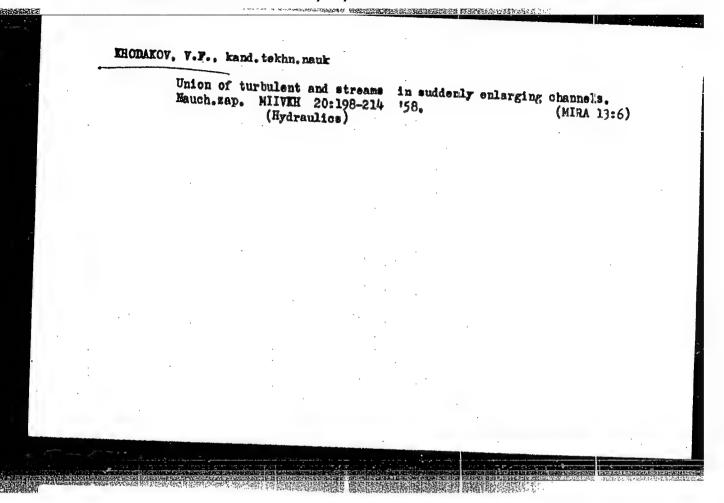
Moscow Inst of Water Economy Engineers imeni V. R. Vil'yams. Chair of Hydraulics. Moscow, 1956.

KHODAKOV, V. F. - "On the union of a turbulent stream with a calm one in expanding streams." Moscow, 1956.

Moscow, 1956.

(Dissertation for the Degree of Candidate in Technical Sciences.)

SO: Knizhnaya Letopis' No. 13, 1956.



Weeful textbook ("Practical hydraulics in fire prevention" by N.A. Earasov-Agalakov. Reviewed by V. Enodakov, M. Shuvalov). Posh.delo 6 no.8:32 Ag "60.

(Fire prevention) (Hydraulics)

(Tarasov-Agalakov, N.A.)

KHODAKOV, V.G.; AVSYUK, G.A., otv. red.; OGANOVSKIY, P.N., red.

[The Arctic Ural]Poliarnyi-Ural. Moskva. (Its Materialy gliatsiologicheskikh issledovanii). [Snow cover]Sneshnyi pokrov. 1962. 129 p. (MIRA 16:2)

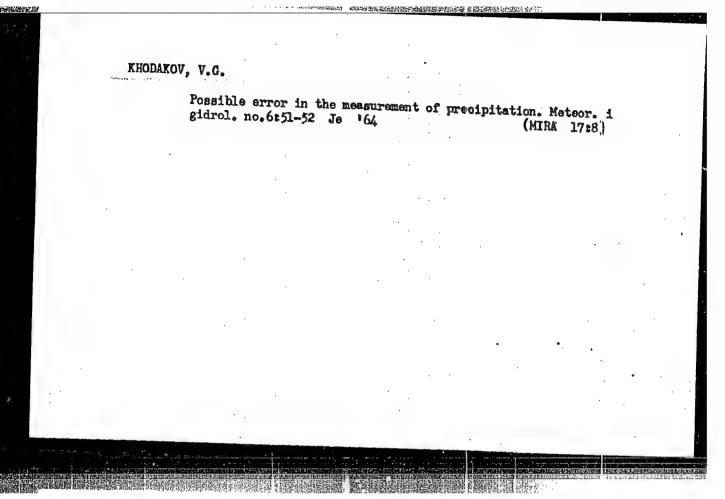
1. Akademiya nauk SSSR. Institut geografia.
(Ural Mountains-Runoff)

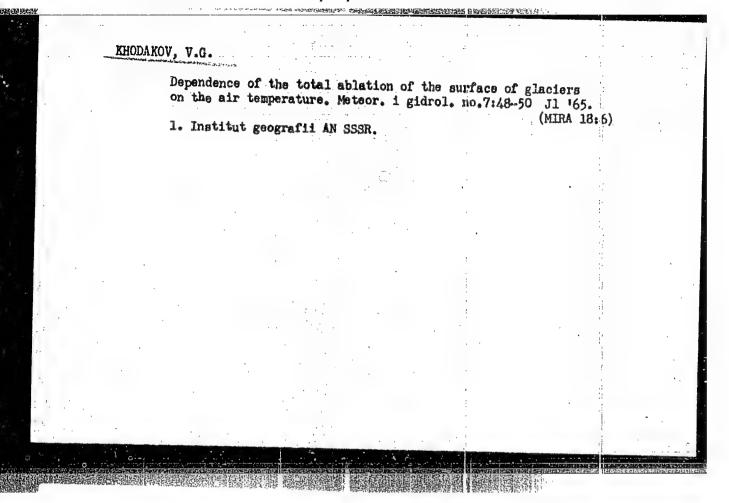
KHODAKOV, V.G.; AVSYUK, G.A., otv.-red.; OGANOVSETY, P.N., red.

[The Arctiv Ural] Poliarnyi Ural. Moskva. (Its Materialy gliatisiologicheskikh issledovanii). [Ablation. Rumoff] Abliatsiia.

Stok. 1962. 140 p. (MIRA 16:2)

1. Akademiya nauk SSSR. Institut geografii, (Ural Mountains—Glaciology) (Ural Mountains—Rumoff)





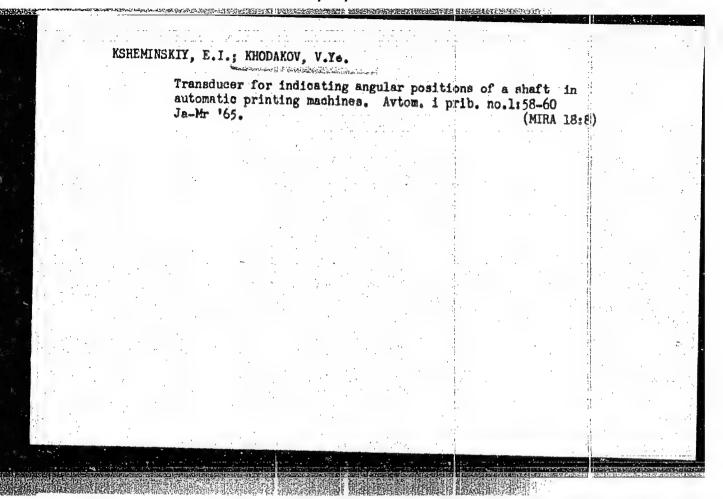
1 45786-56 ACC NRI A JI/JXI(BF) AR6016024 SOURCE CODE: UR/0271/66/000/001/B030/B030 AUTHOR: Khodakov, V. Ye. TITLE: Use of an APM-1 typewriter in computer output devices SOURCE: Ref. zh. Avtomat. telemekh. i vychisl. tekhn., Abs. 1B214 REF SOURCE: Avtomatika i priborostr. Inform. nauchno-tekhn. sb., no. 2(22), 1965, 31-33 TOPIC TAGS: digital computer, printer, automatic printer/APM-1 printer ABSTRACT: The automatic APM-1 printer developed at the Scientific Research Institute of Control Computers (NII upravlyayushchikh VM) is described. Since its parameter printing is done line by line, data concerning each parameter are arranged in columns making it possible to rapidly analyze the course of the process. The printer operates according to the principle of "quick printing" (the type carrying wheel rotates at a constant speed). During printing, an electromagnet actuates the hammer when the selected sign passes underneath it. At the moment of printing, the paper tape stops and then advances on step. Because the typewriter contains 24 characters, a 5-digit binary code is required 1/2 UDC: 681, 142, 623

	The typewriter and digital elements and transistoring relays and telephone-type the electromechanical digital of the experimental mode demonstrated its high response of abstract]	e keys. The function agram of the control	control circui al diagram of device are des	t uses RNII printing co cribed. 13t	JG -type ntrol and ate tests ation have anslation
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I. 62253-65 EWT(d)/EED-2/EWP(1) IJP(c) BB/00 ACCESSION NR: AP5016087 UR/0302/65/000/002/0031/0033 681.142.623 AUTHOR: Khodakov. V. Ye. TITLE: Using an APM-1 printer at the computer output SOURCE: Avtomatika i priborostroyeniye, no. 2, 1965, 31-33 TOPIC TAGS: computer printer, on the fly printer / APM-1 printer ABSTRACT: The development and test results of the first Soviet on-the-fly printer APM-1 are reported. The high-speed line printer uses a continuous y rotating print wheel carrying 24 characters; they are selected by a 5-digit b hary code. Fast-acting hammers print the characters. The printer is connected: the computer via a control unit which comprises ferrite-diode logical elecand semiconductor amplifiers. Functional and principal circuits of this presented and their operation is briefly explained. During the two-year onof an APM-1 on-the-fly printer prototype, no failure of a major component occurred. Orig. art. has: 2 figures. Card 1/2

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ACCESSION NR: AP5016087	and the same of th
ASSOCIATION: none	
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CHURANOV, S., prepedavatel; KHCDAKOV, Yu., prof.; CHERTKOV, I., prepedavatel; khimii

Problems and experiments in chemistry. Nauka i shizn 30 no.4: 98 Ap 163. (MIRA 16:7)

1. Moskovskiy gosudarstvennyy universitet (for Churanov). 2. Kafedra khimii Moskovskogo aviatsionnogo erdena Lenina instituta im. Serge Ordshonikidse (for Khodskov). 3. Nauchneissledovatel'skiy institut obshchege i politekhnicheskogo ebrazovaniya Akademii pedagogicheskikh nauk RSFSR (for Chertkov). (Chemistry-Problems, exercises, etc.)

MINACHEV, Kh.M.; KHODAKOV, Yu.S.

Kinetics of hydrogenation of the vinyl ether of \$\beta_-\text{(diethylamino)}\$ ethanol and vinyl phenyl ether on 1% pd/\$\daggel 0\$. Izv.AN SSSR Otd.khim. nauk no.4:722-724 Ap 161. (MIRA 14:4)

1. Institut organicheskoy khimii im. N.D.Zelinskogo AN SSSR. (Ether) (Hydrogenation)

MINACHEV, Kh.M.; MARKOV, M.A.; KHODAKOV, Yu.S.

Effect of gamma rays on the catalytic activity of platinized aluminosilicate. Izv. AN SSSR. Otd.khim.nauk no.7:1227-1230
Jl '61. (MIRA 14:7)

1. Institut organicheskoy khimii im. N.D. Zelinskogo AN SSSR. (Aluminosilicates) (Catalysis) (Gamma rays)

MINACHEV, Kh.M.; KHODAKOV, Yu.S.

Reflect of gamma rays on the activity of platinum-containing catalysts. Izv. AN SSSR. Otd.khim.nauk no.8:1430-1432 Ag '61. (MIRA 14:8)

 Institut organicheskoy khimii im. N.D. Zelinskogo AN SSER. (Ganma rays) (Catalysis) (Platinum)

KHODAKOV, Yu.S.; MINACHEV, Kh.M.

Kinetic relations of hydrogen peroxide decomposition of irradiated and nonirradiated lanthanum hydroxide. Zhur. fiz. khim. 37 no.11:2445-2450 N'63. (MIRA 17:2)

1. Institut organicheskoy khimii imeni Zelinskogo, AN SSSR.

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o proportion of a	ation-flow and static the oxides of lanthanus discovering with above normal putane at 40%.	m, cerium, praseody thullum, and terby 5500. The catalyti	rmine, neo on in in Cit	วิษาก.เหตุ - รละจะป	et- n.
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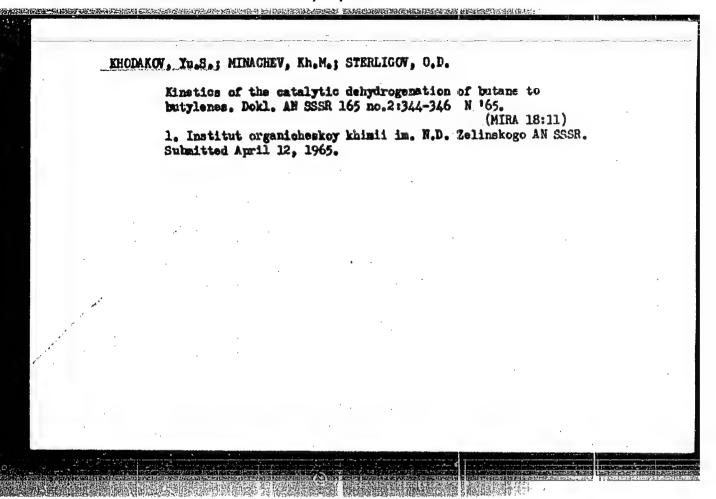
ACCESSION NR: AP5005775

an equation of the first order. Specific rates, preexponential factors, and thergies of activation were intersined for all the oxides couled and the participating in the experimental work." Orig. art. has: 6 figures, 3 table equation.

ASSOCIATION: Institut organicheskov khimii imeni N. D. Zelinskogo AN SSSR (Institute of Grganic Chemistry, AN SSSR)

SUBMITTED: 26Jul63 ENCL: 02 SUB CODE: Il, 00

NO REF SOV: 005 OTHER: 005



KHODAKOV, Yu.V.; ZHURAVLEVA, T.M.; MIL'CHENKO, V.V.

Determination of chromate and dichromate simultaneously. Zav.lab. 29 no.8:929 '63. (MIRA 16:9)

1. Moskovskiy aviatsionnyy institut imeni S.Ordzhonikidze. (Chromates) (Dichromates)

